



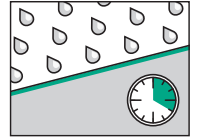
**RAMSAUER®**

# 165

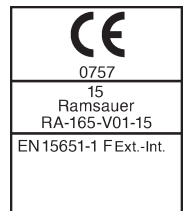
LASTING  
BONDS.

## Acryl früh regenbeständig

1-component acrylic emulsion sealant



SILICONE  
FREE



## Technical data sheet

Version: 10-2023

### Tests:

- DIN EN 15651-1 F20LM Ext.-Int.
- Ecodecode EC1 PLUS "very low emissions"
- Fulfills the French VOC requirement Class A+

## 1. Mechanical Properties

Basis	Acrylic sealant
Skin formation time	~ 5 Min. (23°C/50% relative humidity)
Full curing time	~1.0 mm/24 hours (at +23°C/50% relative humidity)
Density	~ 1.55 (EN ISO 1183-1)
Volume shrinkage	~ 24% (EN ISO 10563)
Yield stress value at 100%	~ 0.06 N/mm <sup>2</sup>
Paste consistency	non-sagging
Stringing	very short
Elastic recovery	>60%
Resistance to high and low temperatures	-20°C to +80°C (long-term exposure)
Application temperature (substrate, environment)	Lower +5°C, upper +40°C
Permissible joint movement	~ 20%
Colours	white
Packaging	310ml cartridge and 600ml foil bag
Shelf life of cartridges and foil bags	12 months in original packaging in cool and dry storage conditions

## 2. Properties

165 Acryl früh regenbeständig is a ready-to-use plasto-elastic 1-component acrylate joint sealant for concrete, aerated concrete, plaster/render, masonry, wood, etc. Due to its very good early rain resistance, the material can be used for both interior and exterior applications. Ramsauer 165 Acryl früh regenbeständig forms a resistant skin after just 20 minutes and cures to a brittle-free material within 1 week, depending on the weather conditions. Paint-compatible according to DIN 52452 Part 4.



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### 3. Priming table

Key

+	Good adhesion without primer
-	No adhesion
Primer	Recommended primer

Glass	-
Tiles	-
Pine wood	+
Wet ground concrete	+
Concrete, formwork smoothness	+
Steel DC 04	-
Hot-dip galvanised steel	-
Stainless steel	-
Zinc	-
Aluminium	-
Aluminium AlMg1	-
Aluminium AlCuMg1	-
Aluminium 6016	-
Anodised aluminium	-
Brass MS 63 Hardness F 37	-
PVC Kömadur ES	-
PVC soft	+
PC Makrolon Makroform 099	-
Polyacrylic PMMA XT 20070 Röhm*1	-
Polystyrene PS Iroplast	-
ABS Metzoplast ABS 7 H	-
PET	-
PU waste quality	-
Copper	-
Polycarbonate	-
PMMA Röhm sanitary quality	-
Mirrors*2	-
Natural stone	-

This table is based on adhesion tests with Rocholl test specimens under laboratory conditions. In practice, the adhesive properties depend on a large number of external influences (weathering, contamination, loads, etc.). Therefore, this table is for guidance only and does not constitute a binding statement. For further information please contact our application engineering department. The tests carried out above only refer to the adhesive properties and have no significance in terms of compatibility with the stated substrates.

\*1: Different PLEXIGLAS® types exhibit certain differences in their chemical resistance. Stresses must be expected in some applications. The resulting stresses, in combination with certain agents, can lead to "stress cracking". The duration, temperature and concentration of the acting substance have a fundamental influence on any "stress cracks". When using our products in combination with PLEXIGLAS®, the suitability must therefore be checked in advance.

\*2: The compatibility with various mirror coatings by different manufacturers is regularly tested in our laboratory. Advance testing is recommended due to production processes of the various manufacturers, into which we have no insights, and as a function of the existing substrate and bonding variants.

### 4. Application

165 Acryl früh regenbeständig is used wherever joints or perimeters with moderate tensile stress need to be sealed. Examples include perimeter joints between wooden window frames and masonry, concrete, plaster/render, natural stone, joints to concrete and cement components. For sealing windows and door frames, exposed aggregate concrete facades, prefabricated gas concrete parts and for bonding polystyrene.



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### 5. Meets the requirements of IVD instruction sheet

No. 9	Sprayable sealants in the perimeter joint for windows and exterior doors
No. 12	Overpaintability of motion-compensating sealants in building construction. Requirements and impacts.
No. 16	Perimeter joints in dry construction. Possible applications of sprayable sealants
No. 20	Joint seal on wooden components and wood-based materials. Possible applications of sprayable sealants
No. 29	Jointing work in the painting and decorating trade

### 6. Processing

**General instructions:** The expiry date of the material must be observed, otherwise the stated mechanical properties of the product can no longer be guaranteed. Observe the ambient temperature and substrate temperature. **Pre-treatment of the adhesion surfaces:** Correct joint dimensions and pre-treatment of the adhesion surfaces are essential for perfect sealing work. In order to achieve maximum adhesive strength, a load-bearing, clean, grease-free and structurally perfect substrate is required. 165 Acryl früh regenbeständig adheres to many substrates without primer. To improve adhesion, we recommend priming with a primer mixture of 165 Acryl früh regenbeständig and water in a ratio of 1:1 to 1:2 in all cases; wait until the coating has dried before grouting. **Application of the sealant:** 165 Acryl früh regenbeständig must be applied evenly to the joint after joint pretreatment using a manual or compressed air gun and smoothed with a moistened spreader before a skin forms. Joints and seals must be implemented in line with the state of the art and the applicable guidelines and standards.

### 7. Application restrictions

**Caution:** After 1 week of drying (in a standard climate), the sealant can be painted over in accordance with DIN 52452, Part 4. Compatible with coatings with an aqueous basis in most cases. However, due to the large number of coating systems available on the market, we recommend testing the compatibility of the sealant and coating. Too early overpainting or expansion of the joint can lead to the coating cracking. The sealant should be matched to the coating where possible. Not for civil engineering, underwater grouting and sealing on silicate substrates, e.g., glass, enamel and ceramics. Not approved for walkable joints and joints with wheeled traffic. Avoid contact with materials containing bitumen and plasticisers.

### 8. Safety instructions

Please refer to the current EC safety data sheets. Data sheets are available at any time from our website at [www.ramsauer.eu](http://www.ramsauer.eu).

### 9. Application notes

Good ventilation must be ensured during processing and curing. Due to the large number of possible influences during processing and application, the processor must always carry out a test processing before use. Note the expiry date of the material. The curing speed increases with increasing coating thickness. If the sealant is used in coating thicknesses of more than 15 mm, please contact our application engineering department. During the curing/drying phase, the colour of acrylates changes due to the material - the final colour is only achieved after complete drying. If the products are stored and/or transported over a longer period of time (several weeks) at higher temperatures/humidity, the shelf life may be reduced or the material properties may change.



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### 10. Liability for defects

The information, in particular the suggestions for the processing and use of our products, is based on our knowledge and experience in normal use cases at the time of printing. Depending on the specific circumstances, in particular with regard to substrates, processing and environmental conditions, the results may differ from this information. Therefore the guarantee of a work result or a liability, for whatever legal reasons, can be justified neither from these references, nor from a verbal consultation, unless we are guilty of intent or gross negligence in this respect. Ramsauer guarantees that its products comply with the technical properties specified in the technical data sheets until the expiry date.

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